

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/06518

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C23C14/34 H01J37/34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C23C H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 20866 A (KANDA KOUICHI ;UEDA HIROSHI (JP); ASAHI GLASS CO LTD (JP); KAMIYAM) 14 March 2002 (2002-03-14) column 9, line 20 - line 30; figures 4,7	1-3,8,9, 12-14
X	US 5 147 521 A (BELLI ROBERT L ET AL) 15 September 1992 (1992-09-15) column 5, line 10 - line 21; claims 4,5; figures 1,9-12	1,8,12
P,X	EP 1 225 249 A (HERAEUS GMBH W C) 24 July 2002 (2002-07-24) page 3, paragraph 37; figures 1,2	1-3,8,9, 12-14
A	US 5 531 876 A (SAUNDERS MARK ET AL) 2 July 1996 (1996-07-02) column 3, line 8 - line 26; figure 2	1-19
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

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Date of the actual completion of the international search

17 September 2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 565 071 A (DEMARAY RICHARD E ET AL)  15 October 1996 (1996-10-15)  column 13, line 38 - line 55; figure 22  -----</p>	1-19

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/06518

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0220866	A	14-03-2002	AU 8444101 A	22-03-2002
			CA 2418807 A1	05-02-2003
			EP 1321537 A1	25-06-2003
			WO 0220866 A1	14-03-2002
			JP 2002155356 A	31-05-2002
			US 2003136662 A1	24-07-2003
US 5147521	A	15-09-1992	WO 9220831 A1	26-11-1992
EP 1225249	A	24-07-2002	DE 10102493 A1	14-08-2002
			CN 1380440 A	20-11-2002
			EP 1225249 A1	24-07-2002
			US 2002096430 A1	25-07-2002
			US 2003141183 A1	31-07-2003
US 5531876	A	02-07-1996	DE 4414470 A1	02-11-1995
			JP 7292466 A	07-11-1995
			NL 9500041 A	01-12-1995
US 5565071	A	15-10-1996	US 5487822 A	30-01-1996
			US 5433835 A	18-07-1995
			CN 1107523 A ,B	30-08-1995
			DE 69513876 D1	20-01-2000
			DE 69513876 T2	11-05-2000
			EP 0654543 A2	24-05-1995
			EP 0679730 A1	02-11-1995
			JP 8092739 A	09-04-1996
			JP 3029380 B2	04-04-2000
			JP 7197248 A	01-08-1995
			US 5518593 A	21-05-1996
			US 5595337 A	21-01-1997
			US 5603816 A	18-02-1997
			US 6199259 B1	13-03-2001
			US 5676803 A	14-10-1997

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